

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Dr. Benjamin Méndez-Gallon) Group:
Serial No.:)
Filed: July 25, 2003) Examiner:
Title: APPLICATOR)

INFORMATION DISCLOSURE STATEMENT

MS DD
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Applicant wishes to bring to the attention of the Examiner the documents identified on the attached form PTO-1449. Applicant respectfully requests that these documents be made of record in the present application.

A copy of each of these documents can be found in the parent application, i.e., U.S. Patent Application Serial No. 10/090,667.

Patent Document No. DE 100 12 256 A1, DE 198 23 738 A1 and DE 100 57 731 are each discussed in the specification of the present application.

German Document DD 57 317 relates to a process for the coating of a flat, level, non air-permeable coating substrate with an applied fluid coating medium, in which the coating substrate is moved past a coating device, while it is positioned on the external surface of a rotating cylinder, enveloping it on part of its circumference, while drying the applied coating, wherein the coating substrate, during the periods of the process, which includes its coating and at least partly the subsequent drying process of the applied layer, is sucked toward the external surface of the cylinder.

DE 43 14 475 A1 relates to a system to carry a paper web to be dried, in a papermaking machine, the longitudinal sealing bar (29) has a concave sealing surface (B) matching the mantle (10a) of the deflection roller. Both sealing bars (28,29) pref. have a concave sealing surface (B) matching the mantle (10a) of the deflection roller, with a surface length (B) at least 3% of the roller mantle circumference, or 4-6%. The sealing surface has longitudinal grooves forming a labyrinth seal. The separate sealing bars (28,29) have a flat outer surface (28a,29a) towards the blanket (15) with a length about equal to the curve length (B) as seen in cross section. The separate sealing bar (28,29) assembly is pref. secured to a suction box (14) by a T-groove or swallowtail joint, across the

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direction of web travel, for assembly and dismantling. An outer wall (17) and the outer surface (28a) of the first bar (28) form a smooth and flat surface parallel to the blanket (15) path or diverging from it at a small angle.

DE 41 40 652 A1 relates to a case of an apparatus for coating a substrate with a substance, in particular a film with an adhesive, the substance is applied by means of a feeding head (4) through perforations (5) of a template (2) to the substrate in interaction with a backing roll (3) or the like within a coating nip(8). In this arrangement, the backing roll (3) has a screening cover (7) with holes (12). A radially aligned suction stream is generated in the backing roll in a region in and/or after the coating nip (8).

DE 195 46 697 A1 relates to a conveyor having rollers between which the sheets (7) of packing material pass in pairs (1,2;8,9;15,16). The sheets also pass through a gluing mechanism (17) with an adjacent guide roller (10). The guide roller has two or more suction areas in the periphery, equidistant in the peripheral direction and extending in the latter for the length of a sheet. Adjacent to the gluing mechanism are two friction rollers (11,14) working with the guide roller. The gluing mechanism has a rotary gluing segment (18) or gluing nozzles (21), and is interchangeable.

German Document DE 199 035 59 relates to the equipment comprising a fluid trough intercepting coating fluid when the coating operation is started or stopped. Its air regulation unit is connected with the trough, ready for operation. An independent claim is included for the method of use. The coating head (1) is raised about 180-250 mm above the web (5). After commencement, it is lowered to normal height, which also moves the interception trough (12). Preferred features: The coating head moves from a high position on starting, down to a normal height, the trough moving away automatically. Spacing between air regulation device and liquid curtain (4) is 5-80 mm during coating. Liquid supply is reduced to 50-90% of the normal, before starting or stopping coating. A leveling roller evens an end region receiving local excess when starting or stopping. The air regulation unit has air regulation material at the ends, in contact over its entire width with the web. This material is: flexible sheet, steel sheet, elastic hollow tube or a roller with resilient or metallic surface. There is a counter nozzle in the air regulation unit end section over the entire web width. The air regulation unit is an air suction type, and contacts the entire width of the web. The coating head is an extrusion type.

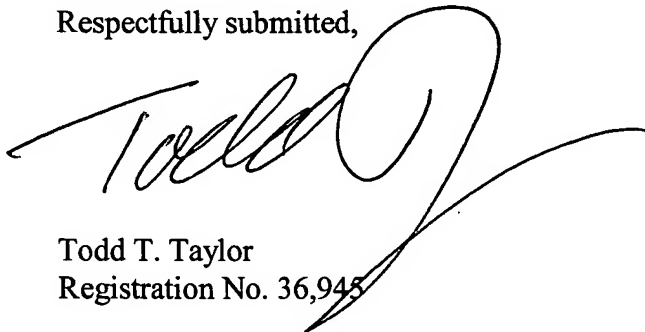
EP 0740 197 relates to a curtain formed by liquid material, particularly photographic emulsions. A lateral current (10) is fed to the curtain (6) on both sides, the curtain width being greater than that of the coating on the support. The current is delivered to the curtain in the latter's

VOI0221.CON

transverse direction, and parallel to the front wall (7) of the lateral guides. Where the curtain side edges are trimmed off by knives, the offcuts can be extracted via a suction slot (18) and passage (19). The leading edge of each knife can slope inwards, and to avoid formation of a beaded edge any accumulated solution can be extracted via suction ports in the knife.

In the event Applicant has overlooked the need for a payment of fee, or additional payment of fee, or have overpaid a fee, Applicant hereby conditionally petitions therefor and authorizes that any charges or credits be made to Deposit Account No. 20-0095, TAYLOR & AUST, P.C.

Respectfully submitted,



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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MS DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on: July 25, 2003.

Todd T. Taylor, Reg. No. 36,945

NAME OF REGISTERED REPRESENTATIVE



SIGNATURE

July 25, 2003

DATE

		ATTORNEY DOCKET NO.: VOI0221.CON	SERIAL NO:
INFORMATION DISCLOSURE STATEMENT		APPLICANT: Dr. Benjamin Méndez-Gallon	
		FILING DATE: July 25, 2003	GROUP:

U.S PATENT DOCUMENTS

Examiner Initial *		Document No.	Date	Name	Class	Subclass	Filing Date
	AA	4,761,309	8/1988	Embry	427	294	January 5, 1987
	AB	4,441,263	4/1984	Vedenpää	34	115	July 20, 1981
	AC	6,187,142	2/2001	Heinzmann et al.	162	135	October 22, 1998
	AD	5,763,013	6/1998	Devine et al.	427	420	February 5, 1997
	AE	5,509,161	4/1996	Neveu et al.	8	151	December 9, 1992
	AF	5,105,758	4/1992	Kozak	118	300	March 1, 1991
	AG	4,427,722	1/1984	Keller	427	420	June 30, 1982
	AH	5,660,882	8/1997	McBride et al.	427	294	
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

							Translation	
		Document No.	Date	Country	Class	Subclass	Yes	No
	AL	DE 43 14 475 A1	12/1993	Germany	F26B 13	16		X
	AM	DE 41 40 652 A1	6/1993	Germany	B05C 9	08		X
	AN	DE 195 46 697 A1	6/1997	Germany	B05B 19	22		X
	AO	DE 100 12 256 A1	9/2001	Germany	B05B 5	14		X
	AP	DE 198 23 738 A1	11/1999	Germany	D21H 23	26		X

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER:

DATE CONSIDERED:

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AJ						
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							Translation	
		Document No.	Date	Country	Class	Subclass	Yes	No
	AL	DD 57 317	8/1967	Germany	75a	20		X
	AM	JP 10277458A	10/1998	Japan	B05C 5	00		X
	AN	EP 0 678 614	04/1995	Europe	15	8		X
	AO	DE 19903559	01/1999	Germany	23	48		X
	AP	EPO 740 197	04/1995	Germany	1	74		X

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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	AI						
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		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	DE10057731	11/2000	Germany	23	48		X
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	AN							
	AO							
	AP							

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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